

Roy F. Weston, Inc.
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Fort Devens, Massachusetts 01433
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Mailing Address: Roy F. Weston, Inc. P.O. Box 425 Ayer, Massachusetts 01432-0425

06 February 1998 Work Order No. 03886-118-002-2700-00

Mr. Maurice Beaudoin, Resident Engineer Department of the Army New England District, Corps of Engineers New Bedford Resident Office 103 Sawyer Street New Bedford, MA 02746

Superfund Re	cords (Center
SITE: Non.	300	/
BREAK:		
OTHER:		

Reference:

Contract No. DACW33-95-D-0004

Delivery Order No. 0002

New Bedford Harbor Superfund Site

Sawyer Street Site O & M DCN: NBH-020698-AALD

Subject:

Quarterly Groundwater Sampling Results - Fourth Quarter 1997

Dear Mr. Beaudoin:

This is a Letter Report summarizing quarterly groundwater sampling activities and results at the New Bedford Harbor Sawyer Street Site. Seven on-site groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4A, MW-5, MW-6, and MW-7A) were sampled on 29 and 30 December 1997. The attached Site Plan shows the locations of on-site monitoring wells. Table 1 summarizes the groundwater samples collected. Table 2 summarizes the final field parameters measured at each location after well purging, but prior to sample collection. Table 3 summarizes the analytical results of the sampling.

As shown on Table 3, both the total and dissolved concentrations of cadmium in MW-3 exceed the applicable U.S. EPA Maximum Contaminant Level (MCL) and Massachusetts Department of Environmental Protection Massachusetts Contingency Plan (MCP) GW-1 regulatory guidelines of 15.0 parts per billion (ppb), respectively. These concentrations are consistent with past analytical data for this monitoring well location. No other exceedances of MCLs were noted. Data validation notes and the laboratory data transmittals for the 29 and 30 December 1997 groundwater sampling results are attached.

The depression area located east of the Confined Disposal Facility (CDF), in which monitoring wells MW-2 and MW-3 are located, is utilized as a discharge area for rain water which

accumulates on the covers of CDF cells and is normally inundated with water. During the groundwater sampling event on 29 and 30 December 1997, the depression area was mostly dry with only a few areas of standing water; however, the depth at which soils in this area were saturated was unknown. The use of this depression area as a discharge area may affect the natural measured depth to water in the wells and may also affect the quality of groundwater in this area.

Please call me at (978) 772-7190 if you have any questions regarding this Letter Report.

Very Truly Yours,

ROY F. WESTON, INC.

David C. Crispo

Associate Project Engineer

cc: R. Rico (WESTON)

L. Lemay [WESTON DCN File (2)]

M. Otis (CENAE) Project File (DVN)

Inter-Office Memorandum



TO:

Dave Crispo

FROM:

Diane Quigley

DATE:

27 January 1998

PROJECT:

SUBJECT:

New Bedford Sawyer Street

W.O. NO.:

03886-118-002-2700-00

PROJECI: N

Control Sawyer Buc

Groundwater Sampling

101-1297, 001 through 007, 202-1297, CDF1-1297 and CDF2-1297

Data Review of Filtered and Unfiltered Metals and PCBs Data for Samples

ACTION:

Metals and PCB data submitted by Lancaster Laboratories for the above listed

groundwater samples collected on 12/29 and 12/30/97 was reviewed.

Chains of custodies were reviewed to verify methodologies, condition of samples upon laboratory receipt, and to ensure holding times were met.

At least one PCB surrogate mct QC recovery criteria in each sample. Matrix spike and Laboratory Control Spike (LCS) recoveries were within QC limits. The RPD for lead was slightly above QC limits in the metals MS/MSD analysis. No action was taken. Field duplicate criteria was met for filtered samples 001-1297 and 101-1297. No target compounds were detected in filtered field sample 202-1297.

The following discrepancies were noted:

- Cadmium was detected in filtered sample 001-1297 (0.0031J) but not in unfiltered sample 001-1297.
- 2. The % RPD (43%) for lead did not meet field duplicate criteria in unfiltered sample 001-1297 (0.0029J) and unfiltered sample 101-1297 (0.0045). Both results should be estimated. However, lead was not detected in filtered sample 001-1297 and was detected at a very low level in filtered sample 101-1297 (0.0031J).
- 3. Aroclor 1260 was detected at a low level (0.148J) in unfiltered field blank 202-1297. No action was necessary since Aroclor 1260 was not detected in the samples.

All other data is useable as reported by the laboratory.

If you have any questions, call me at x5534.

DQ:cra



Page: 1 of

LLI Sample No. WW 2849638 Collected: 12/29/97 at 11:20 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

001-1297 Grab Water Sample

USACE New Bedford Harbor - MA

01129 SDG#: NHB24-03

CAT

NO. ANALYSIS NAME

1749 Cadmium

1751 Chromium 1753 Copper

1055 Lead (furnace method)

0173 PCBs in Water Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

0.0031 mg/1 0.0066 mg/1 N.D. N.D. N.D. 0.0045 mg/1 0.0029 J 0.0011 mg/l

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative Tan H. Vo 20:47:52 D 0002 14 at (717) 656-2300 132573 596866 320 15.00 00020200 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates



Lancaster Laboratories MEMBER 2425 New Holland Pike PC Bux 12425 Lancaster, PA 17605-2425 117-656-2300 Fax 717-656-2681





2 of 5 Page:

LLI Sample No. WW 2849638 Collected: 12/29/97 at 11:20 by DC

Submitted: 12/31/97 Reported: 1/12/98

1/23/98 Discard:

001-1297 Grab Water Sample

USACE New Bedford Harbor - MA

01129 SDG#: NHB24-03

ANALYSIS NAME

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

PCBs in Water

CAT NO.

0639 PCB-1016 0640 0641 PCB-1221 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260

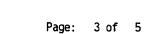
N.D.	0.043	ug/1	
N.D.	0.12	ug/1	
N.D.	0.048	ug/1	
N.D.	0.099	ug/1	
N.D.	0.038	ug/1	
N.D.	0.14	ug/1	
N.D.	0.036	ug/l	

Questions? Contact your Client Services Representative at (717) 656-2300 Tan H. Vo

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



LABORATORY CHRONICLE





LLI Sample No. ww 2849638 Collected: 12/29/97 at 11:20 by DC

Submitted: 12/31/97

001-1297 Grab Water Sample

USACE New Bedford Harbor - MA 01129 SDG#: NHB24-03

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

CAT NO	ANALYSIS NAME	METHOD	TRIAL	anai Id	YSIS DATE AND TIME	ANALYST
	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 6010B SW-846 6010B SW-846 3005A	1 1 1 1		01/10/98 1304 01/10/98 1304	Kelly A. Myer Kelly A. Myer Kelly A. Myer Charlotte L. Houck
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1			Heidi L. Strausser Charlotte L. Houck
0173 0817	PCBs in Water Water Sample Pest. Extraction	SW-846 8082 SW-846 3510C	1			Michael Kielb Tanya J. Reese





QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849638 001-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS LOW	LIMITS HIGH
1749 Cadmium 0.0031 mg/ 1751 Chromium	1	Batch: 980071848001 N.D. Batch: 980071848001	0 (1)	100	98	2	105			80	120
0.0066 mg/	1	N.D.	0 (1)	101	99	2	102			80	120
1753 Copper 0.0045 mg/	1	Batch: 980071848001 N.D.	0 (1)	109	108	1	110			80	120
1055 Lead (furnace 0.0011 mg/		Batch: 980075704001 N.D.	0 (1)	113	112	1	97			80	120
0173 PCBs in Water	•••••	Batch: 980020003A									
0639 PCB-1016 0.043 ug/ 0640 PCB-1221	1	N.D.		102	95	10	81			56	120
0.12 ug/	1	N.D.									
0641 PCB-1232 0.048 ug/	1	N.D.					2				
0642 PCB-1242 0.099 ug/	1	N.D.				ega.	5				
0643 PCB-1248 0.038 ug/	1	N.D.				•					
0644 PCB-1254 0.14 ug/	1	N.D.									
0645 PCB-1260 0.036 ug/	1	N.D.		106	102	8	70			71	120

(1) The result for one or both determinations was less than five times the LOQ.



QUALITY CONTROL REPORT



Page: 5 of 5

LLI Sample No. 2849638 001-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY *	SURROGATE LOW	LIMITS HIGH
0173 PCBs in Water		TCX DCB	105 84	60 60	120 120







Page: 1 of 5

LLI Sample No. WW 2849639 Collected: 12/29/97 at 11:20 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

101-1297 Grab Water Sample

USACE New Bedford Harbor - MA 10112 SDG#: NHB24-04

CAT NO.

ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753 Copper

1055 Lead (furnace method)

0173 PCBs in Water

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432 P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD **RESULTS DETECTION LIMIT UNITS** N.D. 0.0031 mg/l N.D. 0.0066 mg/1 mg/1 N.D. 0.0045 0.0045 0.0011 mg/1See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300 20:48:14 D 0002 14 132573 596866 320 15.00 00020200 ASR000

Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax 717-656-2681



P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 5

LLI Sample No. WW 2849639 Collected: 12/29/97 at 11:20 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

101-1297 Grab Water Sample

USACE New Bedford Harbor - MA

10112 SDG#: NHB24-04

ANALYSIS NAME

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

Account No: 08947

P.Ö. Box 425

Ayer MA 01432

Roy F. Weston, Inc.

PCBs in Water

CAT

NO.

PCB-1016 PCB-1221 0639 0640 0641 PCB-1232 PCB-1242 0642 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260

N.D. 0.042 ug/1 N.D. 0.12 ug/1 N.D. 0.047 ug/1 N.D. 0.097 ug/1 0.037 N.D. ug/1 N.D. 0.14 ug/1 0.035 N.D. ug/1

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs







Lancaster Laboratories

2425 New Holland Pike

LABORATORY CHRONICLE

Page: 3 of 5



LLI Sample No. WW 2849639 Collected: 12/29/97 at 11:20 by DC

Submitted: 12/31/97

101-1297 Grab Water Sample

USACE New Bedford Harbor - MA

10112 SDG#: NHB24-04

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

CAT NO	ANALYSIS NAME	METHOD	TRIAL	anai Id	YSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 6010B SW-846 6010B SW-846 3005A	1 1 1 1		01/10/98 1307 01/10/98 1307 01/10/98 1307 01/07/98 0619	Kelly A. Myer Kelly A. Myer
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1		01/09/98 1037 01/07/98 0619	Heidi L. Strausser Charlotte L. Houck
0173 0817	PCBs in Water Water Sample Pest. Extraction	SW-846 8082 SW-846 3510C	1 1		01/05/98 2215 01/04/98 1330	Michael Kielb Tanya J. Reese





Page: 4 of

5

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QUALITY CONTROL REPORT



LLI Sample No. 2849639 101-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SAMPLE SAMPLE MDL UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	LIMITS HIGH
1749 Cadmium 0.0031 mg/l 1751 Chromium	Batch: 980071848001 N.D. Batch: 980071848001	0 (1)	100	98	2	105			80	120
0.0066 mg/l 1753 Copper	N.D. Batch: 980071848001	0 (1)	101	99	€.	102			80	120
0.0045 mg/l 1055 Lead (furnace method)	N.D. Batch: 980075704001	0 (1)	109	108	1	110			80	120
0.0011 mg/l	N.D.	0 (1)	113	112	1	97			80	120
0173 PCBs in Water	Batch: 980020003A									
0639 PCB-1016 0.042 ug/l 0640 PCB-1221	N.D.		102	95	10	81			56	120
0.12 ug/l 0641 PCB-1232	N.D.				,					
0.047 ug/l 0642 PCB-1242	N.D.				-					
0.097 ug/1 0643 PCB-1248	N.D.									
0.037 ug/1	N.D.								•	
0644 PCB-1254 0.14 ug/1 0645 PCB-1260	N.D.									
0.035 ug/1	N.D.		106	102	8	70			71	120

(1) The result for one or both determinations was less than five times the LOQ.



QUALITY CONTROL REPORT

Page: 5 of

5

Lancaster Laboratories

A division of Thermo Analytical Inc.

LLI Sample No. 2849639 101-1297 Grab Water Sample

USACE New Bedford Harbor - MA

0173 PCBs in Water

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

SURROGATE LIMITS TRIAL ID SURROGATE RECOVERY * HIGH TCX 109 120 DCB 60 120 81





Page: 1 of 5

LLI Sample No. WW 2849645 Collected: 12/29/97 at 14:50 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

002-1297 Grab Water Sample

USACE New Bedford Harbor - MA 02129 SDG#: NHB24-07

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

CAT NO.	ANALYSIS NAME	RESULTS	T UNITS		
1749 1751 1753	Cadmium Chromium Copper	N.D. N.D. N.D.	0.0031 0.0066 0.0045	mg/1 mg/1 mg/1	
1055	Lead (furnace method) The quantitation limit for lead was income due to the nature of the sample matrix.	N.D.	0.0055	mg/l	
0173	PCBs in Water			See Page 2	

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative at (717) 656-2300 132573 596866 Tan H. Vo 20:50:18 D 0002 14 320 15.00 00020200 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates



Lancaster Laboratories 2425 New Holland Pike PC Box 12425 Lancaste: PA 17605-2425 717-656-2300 faz 717-656-2681





Page: 2 of 5

LLI Sample No. ww 2849645 Collected: 12/29/97 at 14:50 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

002-1297 Grab Water Sample

USACE New Bedford Harbor - MA

02129 SDG#: NHB24-07

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

METHOD

DETECTION LIMIT UNITS

AS RECEIVED

RESULTS

P.O. LL-2139-A7 Rel. 03886-118-002

CAT		
NO.	ANALYSIS	NAME

PCBs in Water PCB-1016 0639 0640 PCB-1221 0641 PCB-1232 0642 PCB-1242

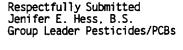
0643

0644

0645

N.D. 0.042 ug/l N.D. 0.12 0.047 ug/1 N.D. ug/1 N.D. 0.098 ug/1 PCB-1248 0.037 ug/1 N.D. PCB-1254 N.D. 0.14 ug/1 PCB-1260 0.035 N.D. ug/1

> Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300







Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 5

LLI Sample No. WW 2849645 Collected: 12/29/97 at 14:50 by DC

Submitted: 12/31/97

002-1297 Grab Water Sample

USACE New Bedford Harbor - MA 02129 SDG#: NHB24-07

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

CAT NO	ANALYSIS NAME	METHOD	TRIAL	 LYSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 6010B SW-846 6010B SW-846 3005A	1 1 1 1	01/10/98 1315 01/10/98 1315	Kelly A. Myer Kelly A. Myer Kelly A. Myer Charlotte L. Houck
1055 5704	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1		Jolene M. Schields Charlotte L. Houck
0173 0817	PCBs in Water Water Sample Pest. Extraction	SW-846 8082 SW-846 3510C	1 1	01/05/98 2245 01/04/98 1330	Michael Kielb Tanya J. Reese





QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849645 002-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SAMPLE SAMPLE MDL UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	LIMITS HIGH
1749 Cadmium 0.0031 mg/1 1751 Chromium	Batch: 980071848001 N.D. Batch: 980071848001	0 (1)	100	98	₹: : 2 :: 2	105			80	120
0.0066 mg/l 1753 Copper 0.0045 mg/l	N.D. Batch: 980071848001 N.D.	0 (1) 0 (1)	101 109	99 108	1	102 110			80 80	120 120
1055 Lead (furnace method) 0.0055 mg/l	Batch: 980075704001 N.D.	0 (1)	113	112	1	97			80	120
0173 PCBs in Water	Batch: 980020003A					:				
0639 PCB-1016 0.042 ug/l 0640 PCB-1221	N.D.		102	95 95	10	81			56	120
0.12 ug/l 0641 PCB-1232	N.D.			r.		. *				
0.047 ug/l 0642 PCB-1242 0.098 ug/l	N.D. N.D.					· · ·				
0643 PCB-1248 0.037 ug/7	N.D.		•	.*	· * ,					* .
0644 PCB-1254 0.14 ug/1 0645 PCB-1260	N.D.									
0.035 ug/1	N.D.		106	102	8	70			71	120

(1) The result for one or both determinations was less than five times the LOQ.





QUALITY CONTROL REPORT





LLI Sample No. 2849645 002-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

•	TRIAL ID	SURROGATE	RECOVERY *	SURROGATE LOW	LIMITS HIGH
0173 PCBs in Water		TCX DCB	106 70	60 60	120 120







5 Page: 1 of

LLI Sample No. WW 2849646 Collected: 12/30/97 at 08:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

003-1297 Grab Water Sample

USACE New Bedford Harbor - MA 03129 SDG#: NHB24-08

CAT

NO. ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753 Copper

1055 Lead (furnace method)

0173 PCBs in Water

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425

Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD

DETECTION LIMIT UNITS **RESULTS**

0.0031 mg/l 0.0093 J 0.0066 N.D. mg/10.123 0.0045 mg/1 0.0036 0.0011 mg/l

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative at (717) 656-2300 132573 596866 Tan H. Vo 20:50:43 D 0002 14 15.00 00020200 ASR000 320

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates



Lancaster Laboratories MEMBER 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681





Page: 2 of 5

LLI Sample No. WW 2849646 Collected: 12/30/97 at 08:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

003-1297 Grab Water Sample

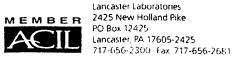
USACE New Bedford Harbor - MA

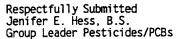
03129 SDG#: NHB24-08

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432 P.O. LL-2139-A7 Rel. 03886-118-002

CAT			AS	AS RECEIVED					
CAT NO.	ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT UNITS					
PCBs	in Water								
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		N.D. N.D. N.D. N.D. N.D. N.D.	0.13 ug/l 0.051 ug/l 0.11 ug/l 0.040 ug/l 0.15 ug/l					

Questions? Contact your Client Services Representative Tan H. Vo $$\rm at\ (717)\ 656\text{-}2300$







LABORATORY CHRONICLE



Page: 3 of 5

LLI Sample No. WW 2849646 Collected: 12/30/97 at 08:00 by DC

Submitted: 12/31/97

003-1297 Grab Water Sample

USACE New Bedford Harbor - MA

03129 SDG#: NHB24-08

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

CAT NO	ANALYSIS NAME	METHOD	TRIAL ID	LYSIS DATE AND TIME	ANALYST
1753	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 6010B SW-846 6010B SW-846 3005A	1 1 1	01/10/98 1318 01/10/98 1318	Kelly A. Myer Kelly A. Myer Kelly A. Myer Charlotte L. Houck
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1		Jolene M. Schields Charlotte L. Houck
0173 0817	PCBs in Water Water Sample Pest. Extraction	SW-846 8082 SW-846 3510C	1		Michael Kielb Tanya J. Reese

QUALITY CONTROL REPORT



5 Page: 4 of

LLI Sample No. 2849646 003-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SAMPLE SAMPLE MDL UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	IMITS HIGH
1749 Cadmium	Batch: 980071848001 N.D. Batch: 980071848001 N.D. Batch: 980071848001 N.D. Batch: 980075704001 N.D.	0 (1) 0 (1) 0 (1) 0 (1)	100 101 109 113	98 99 108 112	2 2 1	105 102 110 97			80 80 80	120 120 120 120
0173 PCBs in Water	- Batch: 980020003A									
0639 PCB-1016 0.046 ug/1 0640 PCB-1221	N.D.		102	95	10	81			56	120
0.13 ug/1 0641 PCB-1232 0.051 ug/1 0642 PCB-1242	N.D. N.D.					,				÷
0.11 ug/1 0643 PCB-1248	N.D.					•				
0.040 ug/1 0644 PCB-1254	N.D.			:		2 ·	•			-
0.15 ug/1 0645 PCB-1260	N.D.		100	100	•	70			71	100
0.038 ug/1	N.D.		106	102	8	70			71	120

(1) The result for one or both determinations was less than five times the LOQ.



QUALITY CONTROL REPORT



Page: 5 of 5

LLI Sample No. 2849646 003-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

		TRIAL ID	SURROGATE	RECOVERY X	SURROGA LOW	HIGH
0173 PCBs in Water	•		TCX DCB	116 87	60 60	120 120



P.O. LL-2139-A7

Rel. 03886-118-002



Page: 1 of 5

LLI Sample No. WW 2849641 Collected: 12/29/97 at 14:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

CAT

004-1297 Matrix Spike Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05MS

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS -

Account No: 08947

Ayer MA 01432

Roy F. Weston, Inc. P.O. Box 425

0.050 0.201 0.273

0.023

0.0031 mg/1 0.0066 mg/1 0.0045 mg/1 0.0055

mg/1See Page 2

ANALYSIS NAME NO. 1749 Cadmium 1751 Chromium 1753 1055 Copper Lead (furnace method) PCBs in Water 0173

> 1 COPY TO Roy F. Weston, Inc. Data Package Group 1 COPY TO

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative at (717) 656-2300 132573 596866 Tan H. Vo 20:48:57 D 0002 14

320 15.00 00020200 ASR000

Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates



Lancaster Laboratories MEMBER 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 fax 717-656-2681





Page: 2 of 5

LLI Sample No. WW 2849641 Collected: 12/29/97 at 14:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

004-1297 Matrix Spike Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05MS

CAT

NO. ANALYSIS NAME

PCBs in Water

0639 PCB-1016 0640 PCB-1221 0641 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260 Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432 P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

	ME I HUL	,	
RESULTS	DETECTION	LIMIT	UNITS

5.0	0.043	ug/1
N.D.	0.12	ug/1
N.D.	0.048	ug/1
N.D.	0.099	ug/1
N.D.	0.038	ug/1
N.D.	0.14	ug/1
5.3	0.036	ug/1

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300

Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs







LABORATORY CHRONICLE



Page: 3 of 5

LLI Sample No. WW 2849641 Collected: 12/29/97 at 14:00 by $\ensuremath{\text{DC}}$

Submitted: 12/31/97

004-1297 Matrix Spike Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05MS

CAT NO	ANALYSIS NAME	METHOD	ANA TRIAL ID	LYSIS DATE AND TIME	ANALYST
1753	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 6010B SW-846 6010B SW-846 3005A	1 1 1 1	01/10/98 1238 01/10/98 1238	
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1		Heidi L. Strausser Charlotte L. Houck
0173 0817	PCBs in Water Water Sample Pest. Extraction	SW-846 8082 SW-846 3510C	1 1	01/05/98 2101 01/04/98 1330	Michael Kielb Tanya J. Reese

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425

Ayer MA 01432

QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849641 004-1297 Matrix Spike Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

	SAMPLE MDL	SAMPLE UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	LIMITS HIGH
1751 Chi	0.0031 romium 0.0066	mg/1 mg/1	Batch: 980071848001 N.D. Batch: 980071848001 N.D.	0 (1) 0 (1)	100 101	98 99	2 	105 102			80 80	120 120
1753 Cop (1055 Lea	pper 0.0045 ad (furn		Batch: 980071848001 N.D. Batch: 980075704001 N.D.	0 (1) 0 (1)	109 113	108 112	18 × 8 1 1 1 2 1 1	110 97			80 80	120 120
0173 PC	Bs in Wa	iter	Batch: 980020003A								:	
(PCB-101 0.043 PCB-122	ug/1	N.D.		102	95 :	10 3	81			56	120
0641	0.12 PCB-123 0.048	ug/1 32	N.D.									
0642	PCB-124 0.099	l2 ug/1	N.D.									
(PCB-124 0.038 PCB-125	*ug/1	N.D.			-	4.					
0645	0.14 PCB-126	ug/1 50	N.D.		106	100	0	70			71	120
,	0.036	ug/1	N.D.		106	102	8	- /0			11	120

(1) The result for one or both determinations was less than five times the LOQ.



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QUALITY CONTROL REPORT

Page: 5 of

5

LLI Sample No. 2849641 004-1297 Matrix Spike Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

Sl	JRR	oga"	ΓE	SUN	1	W	۲)	1
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		4		SURROGATE	LIMITS
	TRIAL ID	SURROGATE	RECOVERY *	LOW	HIGH
0173 PCBs in Water		TCX DCB	104 90	60 60	120 120



Page: 2 of 5

LLI Sample No. WW 2849640 Collected: 12/29/97 at 14:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

004-1297 Unspiked Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05BK

CAT

ANALYSIS NAME NO.

PCBs in Water

0639	PCB-1016
0640	PCB-1221
0641	PCB-1232
0642	PCB-1242
0643	PCB-1248
0644	PCB-1254
0645	PCB-1260

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

RESULTS	METHOD DETECTION LI	MIT UNI	TS
N.D. N.D.	0.042 0.12	ug/1 ug/1	: 6.1 : 0

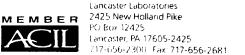
AS RECEIVED

N.D.	0.042	ug/1
N.D.	0.12	ug/1
N.D.	0.047	ug/1
N.D.	0.098	ug/1
N.D.	0.037	ug/1
N.D.	0.14	ug/1
N.D.	0.035	ug/1

Questions? Contact your Client Services Representative Tan H. Vo $$\rm at\ (717)\ 656\text{-}2300$

Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





LABORATORY CHRONICLE



Page: 3 of 5

LLI Sample No. WW 2849640 Collected: 12/29/97 at 14:00 by DC

Submitted: 12/31/97

004-1297 Unspiked Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05BK

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANA ID	LYSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Cadmium Chromium Copper WWW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 6010B SW-846 6010B SW-846 3005A	1 1 1 1		01/10/98 1227 01/10/98 1227	Kelly A. Myer Kelly A. Myer Kelly A. Myer Charlotte L. Houck
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1		01/09/98 0928 01/07/98 0619	Heidi L. Strausser Charlotte L. Houck
0173 0817	PCBs in Water Water Sample Pest. Extraction	SW-846 8082 SW-846 3510C	1 1		01/05/98 2046 01/04/98 1330	Michael Kielb Tanya J. Reese

QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849640 004-1297 Unspiked Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SAMPLE SAMPLE MDL UNITS	BLANK	DUP RPD	MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS Low	LIMITS HIGH
1749 Cadmium 0.0031 mg/l 1751 Chromium	Batch: 980071848001 N.D. Batch: 980071848001	0 (1)	100	98	2	105			80	120
0.0066 mg/l	N.D.	0 (1)	101	99	2	102			80	120
1753 Copper 0.0045 mg/1	Batch: 980071848001 N.D.	0 (1)	109	108	1	110			80	120
1055 Lead (furnace method) 0.0055 mg/l	Batch: 980075704001 N.D.	0 (1)	113	112	1	97			80	120
0173 PCBs in Water	Batch: 980020003A									
0639 PCB-1016 0.042 ug/1	N.D.		102	95	10	81			56	120
0640 PCB-1221 0.12 ug/1	N.D.				•					i.
0641 PCB-1232 0.047 ug/1	N.D.									
0642 PCB-1242 0.098 ug/1	N.D.									
0643 PCB-1248 0.037 ug/1	N.D.									
0644 PCB-1254 0.14 ug/1	N.D.									
0645 PCB-1260 0.035 ug/1	N.D.		106	102	8	70			71	120

(1) The result for one or both determinations was less than five times the LOQ.





QUALITY CONTROL REPORT



Page: 5 of 5

LLI Sample No. 2849640 004-1297 Unspiked Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY *		SURROGAT LOW	E LIMITS HIGH
0173 PCBs in Water		TCX DCB	102 78	÷.	60 60	120 120







Page: 1 of 5

LLI Sample No. WW 2849642 Collected: 12/29/97 at 14:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

004-1297 Matrix Spike Duplicate Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05MSD

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

CAT		AS RECEIVED METHOD							
NO.	ANALYSIS NAME	RESULTS	DETECTION LIM	IT UNITS					
1749 1751 1753 1055 0173	Cadmium Chromium Copper Lead (furnace method) PCBs in Water	0.049 0.197 0.271 0.022	0.0031 0.0066 0.0045 0.0055	mg/l mg/l mg/l mg/l See Page	2				

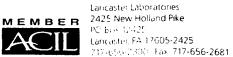
1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative Tan H. Vo 20:49:19 D 0002 14 at (717) 656-2300 132573 596866 320 15.00 00020200 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates









Page: 2 of 5

LLI Sample No. ww 2849642 Collected: 12/29/97 at 14:00 by DC

Discard: 1/23/98

Submitted: 12/31/97 Reported: 1/12/98

004-1297 Matrix Spike Duplicate Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05MSD

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425

Ayer MA 01432

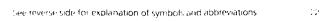
P.O. LL-2139-A7 Rel. 03886-118-002

CAT		RECEIVED
CAT NO. ANALYSIS NAME	RESULTS	METHOD DETECTION LIMIT UNITS
PCBs in Water		
0639 PCB-1016 0640 PCB-1221 0641 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260	4.5 N.D N.D N.D N.D 4.9	0.046 ug/1 0.095 ug/1 0.036 ug/1

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300 at (717) 656-2300

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





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LABORATORY CHRONICLE

Page: 3 of 5

LLI Sample No. WW 2849642 Collected: 12/29/97 at 14:00 by DC

Submitted: 12/31/97

004-1297 Matrix Spike Duplicate Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05MSD

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS ID DATE AND TIME ANALYST
1749	Cadmium	SW-846 6010B	1	01/10/98 1241 Kelly A. Myer
1751	Chromium	SW-846 6010B	1	01/10/98 1241 Kelly A. Myer
1753	Copper	SW-846 6010B	1	01/10/98 1241 Kelly A. Myer
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	01/07/98 0619 Charlotte L. Houck
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1	01/09/98 0958 Heidi L. Strausser 01/07/98 0619 Charlotte L. Houck
0173	PCBs in Water	SW-846 8082	1	01/05/98 2115 Michael Kielb
0817	Water Sample Pest. Extraction	SW-846 3510C		01/04/98 1330 Tanya J. Reese





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QUALITY CONTROL REPORT

Page: 4 of 5

LLI Sample No. 2849642 004-1297 Matrix Spike Duplicate Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SAMP MDL	LE SAMPLE UNITS	BLANK	DU RP		MS	MSD	MS RPD	LCS	LCS Dup	LCS RPD	LCS I	LIMITS HIGH
1749 Cadmiu 0.00 1751 Chromi	31 mg/1	Batch: 980071848001 N.D. Batch: 980071848001		(1)	100	98	2	105			80	120
0.00	66 mg/1	N.D.	0	(1)	101	99	2	102			80	120
1753 Copper 0.00	45 mg/l furnace method	Batch: 980071848001 N.D. Batch: 980075704001	0	(1)	109	108	1	110			80	120
0.00	55 mg/1	N.D.	0	(1)	113	112	1	97			80	120
0173 PCBs i	n Water	Batch: 980020003A										
0639 PCB 0.04 0640 PCB	1 ug/l	N.D.		:	102	95	10	81			56	120
0.11	ug/l	N.D.										
	-1232 6 ug/1 -1242	N.D.										
0.09	5 ug/1	N.D.										
0643 PCB 0.03 0644 PCB		N.D. ·										
0.13	ug/l	N.D.										
0645 PCB 0.03	-1260 4 ug/1	N.D.		,	106	102	8	70			71	120

(1) The result for one or both determinations was less than five times the LOQ.



QUALITY CONTROL REPORT



5 Page: 5 of

LLI Sample No. 2849642 004-1297 Matrix Spike Duplicate Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

	TRIAL ID	SURROGATE	RECOVERY *	SURROGATE LOW	LIMITS HIGH
0173 PCBs in Water		TCX DCB	104 87	60 60	120 120







1 of 3 Page:

LLI Sample No. WW 2849643 Collected: 12/29/97 at 14:00 by DC

Discard: 1/23/98

Submitted: 12/31/97 Reported: 1/12/98

004-1297 Duplicate Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05DUP

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD CAT ANALYSIS NAME RESULTS DETECTION LIMIT UNITS NO. 0.0031 mg/l N.D. 1749 Cadmium 0.0066 mg/l 0.0045 mg/l 1751 Chromium N.D. 1753 Copper N.D. 0.0055 mg/1 Lead (furnace method) 1055 N.D. The quantitation limit for lead was increased due to the nature of the sample matrix.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300 20:49:42 D 0002 14 132573 596866 320 15.00 00008700 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates







Lancaster Laboratories

LABORATORY CHRONICLE



Page: 2 of 3

LLI Sample No. WW 2849643 Collected: 12/29/97 at 14:00 by DC

Submitted: 12/31/97

004-1297 Duplicate Grab Water Sample

USACE New Bedford Harbor - MA 04129 SDG#: NHB24-05DUP

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

CAT NO	ANALYSIS NAME	METHOD	ANA TRIAL ID	LYSIS DATE AND TIME	ANALYST
1751 1753	Cadmium Chromium Copper WWW SW846 ICP Digest (tot rec)	SW-846 6010B SW-846 6010B SW-846 6010B SW-846 3005A	1 1 1 1	01/10/98 1234 01/10/98 1234	Kelly A. Myer Kelly A. Myer Kelly A. Myer Charlotte L. Houck
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1		Heidi L. Strausser Charlotte L. Houck



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# Lancaster Laboratories A division of Thermo Analytical Inc.

QUALITY CONTROL REPORT

Page: 3 of 3

LLI Sample No. 2849643 004-1297 Duplicate Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

| SAMPLE<br>MDL           | SAMPLE<br>UNITS | BLANK                       | DUP<br>RPD | MS  | MSD | MS<br>RPD     | LCS   | LCS<br>DUP | LCS<br>RPD | LCS I | LIMITS<br>HIGH |
|-------------------------|-----------------|-----------------------------|------------|-----|-----|---------------|-------|------------|------------|-------|----------------|
| 1749 Cadmium            | (1              | Batch: 980071848001         | 0 (1)      | 100 | 00  |               | . 105 |            |            | 00    | 100            |
| 0.0031<br>1751 Chromium | mg/1            | N.D.<br>Batch: 980071848001 | 0 (1)      | 100 | 98  | 2             | 105   |            |            | 80    | 120            |
| 0.0066                  | mg/l            | N.D.                        | 0 (1)      | 101 | 99  | 1. · <b>2</b> | 102   |            |            | 80    | 120            |
| 1753 Copper<br>0.0045   | mq/l            | Batch: 980071848001<br>N.D. | 0 (1)      | 109 | 108 | •¶.:          | 110   |            |            | 90    | 120            |
| 1055 Lead (furn         |                 | Batch: 980075704001         | 0 (1)      | 109 | 100 | 1             | 110   |            |            | 80    | 120            |
| 0.0055                  | mg/l            | N.D.                        | 0 (1)      | 113 | 112 | 1.            | 97    |            |            | 80    | 120            |





1 of 5 Page:

LLI Sample No. WW 2849644 Collected: 12/29/97 at 13:50 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

005-1297 Grab Water Sample

USACE New Bedford Harbor - MA

05129 SDG#: NHB24-06

CAT

ANALYSIS NAME NO.

1749 Cadmium 1751 Chromium 1753 Copper

Lead (furnace method) PCBs in Water 1055

0173

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD

RESULTS **DETECTION LIMIT UNITS** N.D. 0.0031 mg/1

0.0066 N.D. mg/1N.D. 0.0045 mg/1 0.0011 N.D. mq/1

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative at (717) 656-2300 132573 596866 Tan H. Vo 20:49:55 D 0002 14

320 15.00 00020200 ASR000

Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates







P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 5

LLI Sample No. WW 2849644 Collected: 12/29/97 at 13:50 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

005-1297 Grab Water Sample

USACE New Bedford Harbor - MA

05129 SDG#: NHB24-06

ANALYSIS NAME

AS RECEIVED

METHOD RESULTS **DETECTION LIMIT UNITS** 

Account No: 08947

P.O. Box 425

Ayer MA 01432

Roy F. Weston, Inc.

PCBs in Water

CAT

NO.

0639 PCB-1016 0640 0641 PCB-1221 PCB-1232 0642 PCB-1242 PCB-1248 0643 0644 PCB-1254 0645 PCB-1260

N.D. 0.042 ug/1 N.D. 0.12 ug/1 ug/1 N.D. 0.047 0.097 N.D. ug/1 N.D. 0.037 ug/1 N.D. 0.14 ug/1 0.035 N.D. ug/1

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs







Lancaster Laboratories

#### LABORATORY CHRONICLE



Page: 3 of 5

LLI Sample No. WW 2849644 Collected: 12/29/97 at 13:50 by DC

Submitted: 12/31/97

005-1297 Grab Water Sample

USACE New Bedford Harbor - MA 05129 SDG#: NHB24-06

| Account  | No: 08947                        |
|----------|----------------------------------|
| Roy F. W | leston, Inc.                     |
| P.O. Box | No: 08947<br>Weston, Inc.<br>425 |
| Ayer MA  | 01432                            |
|          |                                  |

| CAT<br>NO    | ANALYSIS NAME                                                  | METHOD                                                       | TRIAL            | <br>LYSIS<br>DATE AND TIME     | ANALYST                                  |
|--------------|----------------------------------------------------------------|--------------------------------------------------------------|------------------|--------------------------------|------------------------------------------|
|              | Cadmium<br>Chromium<br>Copper<br>WW SW846 ICP Digest (tot rec) | SW-846 6010B<br>SW-846 6010B<br>SW-846 6010B<br>SW-846 3005A | 1<br>1<br>1<br>1 | 01/10/98 1311                  | Kelly A. Myer                            |
| 1055<br>5704 | Lead (furnace method)<br>WW/TL SW 846 GFAA Digest tot          | SW-846 7421<br>SW-846 3020A                                  | 1<br>1           | 01/09/98 1047<br>01/07/98 0619 | Heidi L. Strausser<br>Charlotte L. Houck |
| 0173<br>0817 | PCBs in Water<br>Water Sample Pest. Extraction                 | SW-846 8082<br>SW-846 3510C                                  | 1                | 01/05/98 2230<br>01/04/98 1330 | Michael Kielb<br>Tanya J. Reese          |



#### QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849644 005-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

| SAMPLE SAMPLE<br>MOL UNITS                   | BLANK                                              | DUP<br>RPD | MS  | MSD | MS<br>RPD | LCS | LCS<br>DUP | LCS<br>RPD | LCS<br>LOW | LIMITS<br>HIGH |
|----------------------------------------------|----------------------------------------------------|------------|-----|-----|-----------|-----|------------|------------|------------|----------------|
| 1749 Cadmium<br>0.0031 mg/l<br>1751 Chromium | Batch: 980071848001<br>N.D.<br>Batch: 980071848001 | 0 (1)      | 100 | 98  | #         | 105 |            |            | 80         | 120            |
| 0.0066 mg/l                                  | N.D.<br>Batch: 980071848001                        | 0 (1)      | 101 | 99  | C / 2     | 102 |            |            | 80         | 120            |
| 1753 Copper<br>0.0045 mg/1                   | N.D.                                               | 0 (1)      | 109 | 108 | <b>1</b>  | 110 |            |            | 80         | 120            |
| 1055 Lead (furnace method)<br>0.0011 mg/l    | Batch: 980075704001<br>N.D.                        | 0 (1)      | 113 | 112 | 1         | 97  |            |            | 80         | 120            |
| 0173 PCBs in Water                           | Batch: 980020003A                                  |            |     |     |           |     |            |            |            |                |
| 0639 PCB-1016                                |                                                    |            |     |     | , ; ;     |     |            |            |            |                |
| 0.042 ug/1<br>0640 PCB-1221                  | N.D.                                               |            | 102 | 95  | 10        | 81  |            |            | 56         | 120            |
| 0.12 ug/1                                    | N.D.                                               |            |     |     |           |     |            |            |            |                |
| 0641 PCB-1232<br>0.047 ug/l                  | N.D.                                               |            |     |     |           |     |            |            |            |                |
| 0642 PCB-1242<br>0.097 ug/1                  | N.D.                                               |            |     |     |           |     |            |            |            |                |
| 0643 PCB-1248<br>0.037 ug/l                  | N.D.                                               |            |     |     |           |     |            |            |            |                |
| 0644 PCB-1254<br>0.14 ug/1<br>0645 PCB-1260  | N.D.                                               |            |     | •   |           | 5   |            |            |            |                |
| 0.035 ug/1                                   | N.D.                                               |            | 106 | 102 | 8         | 70  |            |            | 71         | 120            |



#### QUALITY CONTROL REPORT



Page: 5 of 5

LLI Sample No. 2849644 005-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

|                    | TRIAL ID | SURROGATE  | RECOVERY * | SURROGATE<br>LOW | LIMITS<br>HIGH |
|--------------------|----------|------------|------------|------------------|----------------|
| 0173 PCBs in Water |          | TCX<br>DCB | 110<br>81  | 60<br>60         | 120<br>120     |







Page: 1 of

LLI Sample No. WW 2849637 Collected: 12/29/97 at 10:45 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

006-1297 Grab Water Sample

USACE New Bedford Harbor - MA 06129 SDG#: NHB24-02

Lead (furnace method)

ANALYSIS NAME

PCBs in Water

Cadmium

Copper

Chromium

CAT

NO.

1749

1751 1753

1055

0173

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS -0.0031 mg/l 0.0066 mg/l N.D. 0.0045 mg/1 N.D. N.D. 0.0011 mg/l See Page 2

1 COPY TO Roy F. Weston, Inc.

Data Package Group

1 COPY TO

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative at (717) 656-2300 132573 596866 Tan H. Vo 20:47:24 D 0002 14 320 15.00 00020200 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates



Lancaster Laboratories MEMBER 2425 New Holland Pike PO BO/ 1/421 Laboration FA 17605-2425 Third Soc., 306 - Fax: 717-656-2681





Page: 2 of 5

LLI Sample No. WW 2849637 Collected: 12/29/97 at 10:45 by DC

Submitted: 12/31/97 Reported: 1/12/98

Discard: 1/23/98

006-1297 Grab Water Sample

USACE New Bedford Harbor - MA

06129 SDG#: NHB24-02

CAT NO.

ANALYSIS NAME

PCBs in Water

0639 PCB-1016 PCB-1221 0640 0641 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED METHOD

N.D.

**RESULTS DETECTION LIMIT UNITS** 

| N.D. | 0.042 | ug/1 |  |
|------|-------|------|--|
| N.D. | 0.12  | ug/1 |  |
| N.D. | 0.046 | ug/1 |  |
| N.D. | 0.097 | ug/1 |  |
| N.D. | 0.037 | ug/1 |  |
| N.D. | 0.14  | ug/1 |  |
| = .  |       | 3    |  |

0.035

ug/1

Questions? Contact your Client Services Representative at (717) 656-2300 Tan H. Vo

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 5

LLI Sample No. WW 2849637 Collected: 12/29/97 at 10:45 by DC

Submitted: 12/31/97

006-1297 Grab Water Sample

USACE New Bedford Harbor - MA 06129 SDG#: NHB24-02

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

| CAT<br>NO | ANALYSIS NAME                                         | METHOD                      |        | ANALYSIS<br>ID DATE AND TIME | ANALYST                                  |
|-----------|-------------------------------------------------------|-----------------------------|--------|------------------------------|------------------------------------------|
| 1749      | Cadmium                                               | SW-846 6010B                | 1      | 01/10/98 1252                | Kelly A. Myer                            |
| 1751      | Chromium                                              | SW-846 6010B                | 1      | 01/10/98 1252                |                                          |
| 1753      | Copper                                                | SW-846 6010B                | 1      | 01/10/98 1252                |                                          |
| 1848      | WW SW846 ICP Digest (tot rec)                         | SW-846 3005A                | 1      | 01/07/98 0619                |                                          |
|           | Lead (furnace method)<br>WW/TL SW 846 GFAA Digest tot | SW-846 7421<br>SW-846 3020A | 1<br>1 |                              | Heidi L. Strausser<br>Charlotte L. Houck |
| 0173      | PCBs in Water                                         | SW-846 8082                 | 1      | 01/05/98 2145                | Michael Kielb                            |
| 0817      | Water Sample Pest. Extraction                         | SW-846 3510C                | 1      | 01/04/98 1330                | Tanya J. Reese                           |



#### QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849637 006-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

|                                                         | SAMPLE<br>UNITS     | BLANK                                                                                                                    | DUP<br>RPD                       | MS                       | MSD                    | MS<br>RPD | LCS                     | LCS<br>DUP | LCS<br>RPD | LCS !          | LIMITS<br>HIGH           |
|---------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------|------------------------|-----------|-------------------------|------------|------------|----------------|--------------------------|
| 1749 Cadmium                                            | /1<br>/1<br>method) | Batch: 980071848001<br>N.D.<br>Batch: 980071848001<br>N.D.<br>Batch: 980071848001<br>N.D.<br>Batch: 980075704001<br>N.D. | 0 (1)<br>0 (1)<br>0 (1)<br>0 (1) | 100<br>101<br>109<br>113 | 98<br>99<br>108<br>112 | 2 2 1 1   | 105<br>102<br>110<br>97 |            |            | 80<br>80<br>80 | 120<br>120<br>120<br>120 |
| 0173 PCBs in Water                                      |                     | Batch: 980020003A                                                                                                        |                                  |                          |                        |           |                         |            |            |                |                          |
| 0639 PCB-1016<br>0.042 ug/<br>0640 PCB-1221<br>0.12 ug/ |                     | N.D.<br>N.D.                                                                                                             |                                  | 102                      | <b>95</b>              | 10        | 81                      |            |            | 56             | 120                      |
| 0641 PCB-1232<br>0.046 ug/<br>0642 PCB-1242             | <b>/</b> 1          | N.D.                                                                                                                     |                                  |                          |                        |           |                         |            |            |                |                          |
| 0.097 ug/<br>0643 PCB-1248                              | <b>/</b> 1          | N.D.                                                                                                                     |                                  |                          |                        |           | :                       |            |            |                |                          |
| 0.037 ug/<br>0644 PCB-1254                              |                     | N.D.                                                                                                                     |                                  | •                        |                        |           |                         |            |            |                |                          |
| 0.14 ug/<br>0645 PCB-1260<br>0.035 ug/                  |                     | N.D.<br>N.D.                                                                                                             |                                  | 106                      | 102                    | 8         | 70                      |            |            | 71             | 120                      |
| 0.035 ug/                                               | 1                   | n.D.                                                                                                                     |                                  | 100                      | IUZ                    | b         | 70                      |            |            | , 1            | 120                      |



#### QUALITY CONTROL REPORT



Page: 5 of 5

LLI Sample No. 2849637 006-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

|                    | TRIAL ID | SURROGATE  | RECOVERY * | SURROGATE<br>LOW | LIMITS<br>HIGH |
|--------------------|----------|------------|------------|------------------|----------------|
| 0173 PCBs in Water |          | TCX<br>DCB | 106<br>81  | 60<br>60         | 120<br>120     |



Page: 1 of 5

LLI Sample No. WW 2849636 Collected: 12/29/97 at 10:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

1/23/98 Discard:

007-1297 Grab Water Sample

USACE New Bedford Harbor - MA

07129 SDG#: NHB24-01

CAT

NO. ANALYSIS NAME

1749 Cadmium

1751 Chromium 1753 Copper

Lead (furnace method) PCBs in Water 1055

0173

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

0.0030 J

METHOD

RESULTS DETECTION LIMIT UNITS 0.0031 mg/l 0.0066 mg/l N.D. N.D. 0.0045 mg/1 N.D.

0.0011 mg/l See Page 2

1 COPY TO 1 COPY TO Roy F. Weston, Inc. Data Package Group

ATTN: Mr. David Crispo

Questions? Contact your Client Services Representative Tan H. Vo 20:46:55 D 0002 14 at (717) 656-2300 132573 596866 320 15.00 00020200 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates



Lancaster Laboratories 2425 New Holland Pike PC 50x 12425 Lancaster, PA 17605-2425 010 ± 56-2300 Fax: 717-656-2681



P.O. LL-2139-A7

Rel. 03886-118-002



2 of 5 Page:

LLI Sample No. WW 2849636 Collected: 12/29/97 at 10:00 by DC

Submitted: 12/31/97 Reported: 1/12/98

1/23/98 Discard:

007-1297 Grab Water Sample

USACE New Bedford Harbor - MA

07129 SDG#: NHB24-01

ANALYSIS NAME

N.D.

AS RECEIVED METHOD RESULTS DETECTION LIMIT UNITS

Account No: 08947

P.O. Box 425

Ayer MA 01432

Roy F. Weston, Inc.

PCBs in Water

CAT

NO.

0639 PCB-1016 0640 0641 PCB-1221 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 PCB-1260 0645

0.041 0.11 N.D. ug/1 N.D. ug/1 ug/1 N.D. 0.046 0.095 N.D. ug/1 ug/1 N.D. 0.036 N.D. 0.13 ug/1

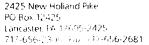
0.034

ug/1

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





Lancaster Laboratories

#### LABORATORY CHRONICLE



Page: 3 of 5

LLI Sample No. WW 2849636 Collected: 12/29/97 at 10:00 by DC

Submitted: 12/31/97

007-1297 Grab Water Sample

USACE New Bedford Harbor - MA 07129 SDG#: NHB24-01

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

| CAT<br>NO    | ANALYSIS NAME                                                  | METHOD                                                       |             | anai<br>ID | YSIS<br>DATE AND TIME                                            | ANALYST                                  |
|--------------|----------------------------------------------------------------|--------------------------------------------------------------|-------------|------------|------------------------------------------------------------------|------------------------------------------|
|              | Cadmium<br>Chromium<br>Copper<br>WW SW846 ICP Digest (tot rec) | SW-846 6010B<br>SW-846 6010B<br>SW-846 6010B<br>SW-846 3005A | 1<br>1<br>1 |            | 01/10/98 1249<br>01/10/98 1249<br>01/10/98 1249<br>01/07/98 0619 | Kelly A. Myer                            |
|              | Lead (furnace method)<br>WW/TL SW 846 GFAA Digest tot          | SW-846 7421<br>SW-846 3020A                                  | 1           |            |                                                                  | Heidi L. Strausser<br>Charlotte L. Houck |
| 0173<br>0817 | PCBs in Water<br>Water Sample Pest. Extraction                 | SW-846 8082<br>SW-846 3510C                                  | 1<br>1      |            |                                                                  | Michael Kielb<br>Tanya J. Reese          |

#### QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849636 007-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

| SAMPLE<br>MDL                                                                                           | SAMPLE<br>UNITS    | BLANK                                                                                                                    | DUP<br>RPD                       | MS                       | MSD                    | MS<br>RPD        | LCS                     | LCS<br>Dup | LCS<br>RPD | LCS I          | LIMITS<br>HIGH           |
|---------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------|------------------------|------------------|-------------------------|------------|------------|----------------|--------------------------|
| 1749 Cadmium<br>0.0031<br>1751 Chromium<br>0.0066<br>1753 Copper<br>0.0045<br>1055 Lead (furr<br>0.0011 | nace method)       | Batch: 980071848001<br>N.D.<br>Batch: 980071848001<br>N.D.<br>Batch: 980071848001<br>N.D.<br>Batch: 980075704001<br>N.D. | 0 (1)<br>0 (1)<br>0 (1)<br>0 (1) | 100<br>101<br>109<br>113 | 98<br>99<br>108<br>112 | 2<br>3<br>4<br>1 | 105<br>102<br>110<br>97 |            |            | 80<br>80<br>80 | 120<br>120<br>120<br>120 |
| 0173 PCBs in Wa                                                                                         | iter               | Batch: 980020003A                                                                                                        |                                  |                          |                        | -                |                         |            |            |                |                          |
| 0639 PCB-103<br>0.041<br>0640 PCB-122<br>0.11                                                           | ug/1               | N.D.<br>N.D.                                                                                                             |                                  | 102                      | 95                     | <b>10</b>        | 81                      |            |            | 56             | 120                      |
| 0641 PCB-123<br>0.046                                                                                   | 32<br>ug/1         | N.D.                                                                                                                     |                                  |                          |                        |                  |                         |            |            |                |                          |
| 0642 PCB-124<br>0.095<br>0643 PCB-124                                                                   | ug/l               | N.D.                                                                                                                     |                                  |                          |                        |                  | -                       |            |            |                | •                        |
| 0.036<br>0644 PCB-125                                                                                   | ug/1<br>34         | N.D.                                                                                                                     |                                  |                          |                        |                  |                         | •          |            |                |                          |
| 0.13<br>0645 PCB-126<br>0.034                                                                           | ug/1<br>i0<br>ug/1 | N.D.<br>N.D.                                                                                                             |                                  | 106                      | 102                    | <u>4</u> .       | 70                      |            |            | 71             | 120                      |
|                                                                                                         |                    |                                                                                                                          |                                  |                          |                        |                  |                         |            |            |                |                          |





#### QUALITY CONTROL REPORT



Page: 5 of 5

LLI Sample No. 2849636 007-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY

|                    | TRIAL ID | SURROGATE  | RECOVERY * | SURROGATE L<br>LOW | IMITS<br>HIGH |
|--------------------|----------|------------|------------|--------------------|---------------|
| 0173 PCBs in Water |          | TCX<br>DCB | 107<br>83  | 60<br>60           | 120<br>120    |



P.O. LL-2139-A7

Rel. 03886-118-002



2 of 5 Page:

LLI Sample No. WW 2849647 Collected: 12/29/97 at 15:40 by DC

Submitted: 12/31/97 Reported: 1/12/98

1/23/98 Discard:

202-1297 Grab Water Sample

USACE New Bedford Harbor - MA

20212 SDG#: NHB24-09

ANALYSIS NAME

AS RECEIVED METHOD

**RESULTS DETECTION LIMIT UNITS** 

Account No: 08947

Ayer MA 01432

Roy F. Weston, Inc. P.O. Box 425

PCBs in Water

CAT

NO.

0639 PCB-1016 PCB-1221 0640 0641 PCB-1232 0642 PCB-1242 PCB-1248 0643 0644 PCB-1254 0645 PCB-1260

N.D. 0.044 ug/1 0.12 0.050 N.D. ug/1 N.D. ug/1 N.D. 0.10 ug/1 N.D. 0.039 ug/1 ug/1 0.14 N.D. 0.148 J 0.037 ug/1

Questions? Contact your Client Services Representative Tan H. Vo at (717) 656-2300

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs









LABORATORY CHRONICLE

Page: 3 of 5

LLI Sample No. WW 2849647 Collected: 12/29/97 at 15:40 by DC

Submitted: 12/31/97

202-1297 Grab Water Sample

USACE New Bedford Harbor - MA 20212 SDG#: NHB24-09

Account No: 08947 Roy F. Weston, Inc. P.O. Box 425 Ayer MA 01432

| CAT<br>NO                    | ANALYSIS NAME                 | METHOD                                                       |             | NALYSIS<br>D DATE AND TIME     | ANALYST                                                               |
|------------------------------|-------------------------------|--------------------------------------------------------------|-------------|--------------------------------|-----------------------------------------------------------------------|
| 1749<br>1751<br>1753<br>1848 |                               | SW-846 6010B<br>SW-846 6010B<br>SW-846 6010B<br>SW-846 3005A | 1<br>1<br>1 | 01/10/98 1322<br>01/10/98 1322 | Kelly A. Myer<br>Kelly A. Myer<br>Kelly A. Myer<br>Charlotte L. Houck |
| 1055                         | Lead (furnace method)         | SW-846 7421                                                  | 1           | 01/09/98 1126                  | Heidi L. Strausser                                                    |
| 5704                         | WW/TL SW 846 GFAA Digest tot  | SW-846 3020A                                                 |             | 01/07/98 0619                  | Charlotte L. Houck                                                    |
| 0173                         | PCBs in Water                 | SW-846 8082                                                  | 1           | 01/05/98 2315                  | Michael Kielb                                                         |
| 0817                         | Water Sample Pest. Extraction | SW-846 3510C                                                 |             | 01/04/98 1330                  | Tanya J. Reese                                                        |



#### QUALITY CONTROL REPORT



Page: 4 of 5

LLI Sample No. 2849647 202-1297 Grab Water Sample

USACE New Bedford Harbor - MA

Group No. 596866 Roy F. Weston, Inc.

| SAMPLE SAMPLE<br>MDL UNITS                               | BLANK                                              | DUP<br>RPD | MS  | MSD | MS<br>RPD               | LCS | LCS<br>DUP | LCS<br>RPD | LCS I | IMITS<br>HIGH |
|----------------------------------------------------------|----------------------------------------------------|------------|-----|-----|-------------------------|-----|------------|------------|-------|---------------|
| 1749 Cadmium<br>0.0031 mg/l<br>1751 Chromium             | Batch: 980071848001<br>N.D.<br>Batch: 980071848001 | 0 (1)      | 100 | 98  | . S. 2                  | 105 |            |            | 80    | 120           |
| 0.0066 mg/l                                              | N.D.                                               | 0 (1)      | 101 | 99  | <b>2</b>                | 102 |            |            | 80    | 120           |
| 1753 Copper<br>0.0045 mg/l<br>1055 Lead (furnace method) | Batch: 980071848001<br>N.D.<br>Batch: 980075704001 | 0 (1)      | 109 | 108 | 14 74<br>( 1 1 <b>1</b> | 110 |            |            | 80    | 120           |
| 0.0011 mg/1                                              | N.D.                                               | 0 (1)      | 113 | 112 | 1.                      | 97  |            |            | 80    | 120           |
| 0173 PCBs in Water                                       | Batch: 980020003A                                  |            |     |     | * **                    |     |            |            |       |               |
| 0639 PCB-1016<br>0.044 ug/l<br>0640 PCB-1221             | N.D.                                               |            | 102 | 95  | 10                      | 81  |            |            | 56    | 120           |
| 0.12 ug/l                                                | N.D.                                               |            |     |     |                         |     |            |            |       |               |
| 0641 PCB-1232<br>0.050 ug/7<br>0642 PCB-1242             | N.D.                                               |            |     |     | - I                     |     |            |            |       |               |
| 0.10 ug/l                                                | N.D.                                               |            |     |     |                         |     |            |            |       |               |
| 0643 PCB-1248<br>0.039 ug/l                              | N.D.                                               |            |     |     |                         | •   |            |            |       |               |
| 0644 PCB-1254<br>0.14 ug/1<br>0645 PCB-1260              | N.D.                                               |            |     |     |                         |     |            |            |       |               |
| 0.037 ug/1                                               | N.D.                                               |            | 106 | 102 | 8                       | 70  |            |            | 71    | 120           |





QUALITY CONTROL REPORT



f

5

Lancaster Laboratories

A division of Thermo Analytical Inc.

LLI Sample No. 2849647 202-1297 Grab Water Sample

USACE New Bedford Harbor - MA

0173 PCBs in Water

Group No. 596866 Roy F. Weston, Inc.

SURROGATE SUMMARY



